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contains collating components having two wavelengths of well-known absorption spectra in wavelength band close to said wavelengths of absorption spectra of said isotopes and said isotopes are isotopes of carbon dioxide gas.

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7. (TWICE AMENDED) The spectroscopic method for analyzing isotopes according to claim 1, wherein

said isotopes of carbon dioxide gas as sample gas are $^{12}\text{CO}_2$ and $^{13}\text{CO}_2$; and

said $^{12}\text{CO}_2$ and $^{13}\text{CO}_2$ have pairs of following wavelengths

(a wavelength of isotope $^{12}\text{CO}_2(\text{nm})$):(a wavelength of isotope $^{13}\text{CO}_2(\text{nm})$)

2054.37 : 2053.96

2044 : 2044.49

2035.34 : 2035.63

2010.18 : 2010.29

2002.51 : 2002.54

1995.99 : 1996.10

and a abundance ratio is measured by an absorbance in accordance with said a respective pair of wavelengths.